

The present invention provides a substantially pure and finely divided granular pyrolytic carbon material. The substantially pure pyrolytic carbon can be used in a variety of applications including filtration and battery electrode applications. The present invention further describes a process for producing a substantially pure pyrolytic carbon material that includes heating a mixture of refractory inorganic particles with a hydrocarbon gas for an amount of time sufficient to deposit a substantially uniform layer of pyrolytic carbon on the surfaces of the particles.